



PRATT INSTITUTE SOUVENIR .  
1910-11

Pratt Institute  
Souvenir

1910-11



CHARLES PRATT  
FOUNDER OF PRATT INSTITUTE



PRATT INSTITUTE—FRONT VIEW FROM RYERSON STREET



### THE SCIENCE AND TECHNOLOGY FACULTY—1910-1911

**FRONT ROW**—W. H. Thiele, R. M. Hardy, H. W. Marsh, C. H. Koch, W. H. Froehner, W. J. Kapp, E. R. Edwards, C. M. Allen, J. M. Johnston, A. W. Smith, M. C. Maxwell, J. A. Davis.

**SECOND ROW**—G. C. Alder, K. C. Gary, F. H. Hilborn, A. Hodgins, H. H. Amund, G. E. Rice, F. A. Clark, H. Wilson, J. A. Randall, E. Harford.

**THIRD ROW**—J. E. Davis, H. C. Dickford, H. S. Taylor, J. S. Potts, C. E. H. Smith, J. P. Hoffmann, W. A. Baker, H. D. Burghardt, B. Wolf.

**FOURTH ROW**—K. A. Curtis, J. H. Connolly, J. B. Chalmers.

**BACK ROW**—H. P. Miller, F. G. Price, J. W. Burley, W. S. Kelschmeyer, P. D. Wright, C. W. Norton, H. A. Bunsick.



### GRADUATING CLASS, 1911—APPLIED ELECTRICITY

FIRST ROW—Lutes, Viss, Kesteven, Tress, Goshornese, Beck, Carey, Ellis, Lemos, Anthony.

SECOND ROW—Campbell, Dair, Hayes, Tuttle, Gould, McKenna, Ellis, George, Eichenberg.

THIRD ROW—Davis, McKee, Adams, Shorkey, Klockers, Staley, Smith, Clark, Buchanan, Yeros, Woodbury.

FOURTH ROW—Taylor, Van De Water, Williams, Hagan, Fleming, Wood, Haas, Fimmerson, Lufin, Lewis.

BACK ROW—Bassett, Williamson, Ward, Holster, Brown, Paul, Born, Bradbury, Brown, Stottag, Lundberg.



## GRADUATING CLASS, 1911—STEAM AND MACHINE DESIGN

FRONT ROW—Marsh, Kuhn, Shurtz, Service, Taylor, Gudmund, Fowler, Hayward, Grant, Cole, Reynolds.  
 SECOND ROW—Chambers, Connolly, Craig, Von Thun, Foley, Cook, North, Cline, Peltam, Hays, Feltz, Hemmings.  
 THIRD ROW—Maxwell, Charles, Kellams, Orr, Marx, Elliott, Gustafson, McCulloch, Rathbone, Colver, Henniger, Cook, Ogg, Littlehale.  
 FOURTH ROW—McIlvray, Dunsmuir, Wigand, Briggs, Hawley, Cole, Schramm, MacArthur, Blackwood, Garbutt, Wilson, Fisk, Maize, Towner, Van Rens.

\* Instructors.



### GRADUATING CLASS, 1911—APPLIED CHEMISTRY

FRONT ROW—Fryer, H. E. H. Keith, Chap, Wm. Rogers, Hendrickson, Hughes, Cross,  
 MIDDLE ROW—Hewson, Martin, Field, Spencer, Stewart, Tolksom, Townsend,  
 BACK ROW—Chapier, Gerrish, Pike, MacNaughton, Hindel, March, Meyer, Gusterson.

\* Instructor.





*Photo by Bailey & Brown.*

## GRADUATING CLASS, 1911—MACHINE CONSTRUCTION

FIRST ROW—Adams, Ford, Hiss, Helm, Charlton, Schaefer, Marston, Moss, Lee.

SECOND ROW—Reiman, Williams, \*Mr. Sullivan, \*Mr. Kamp, Kumpser, \*Mr. Smith, \*Mr. Blanchard, O'Mara, Davidson.

THIRD ROW—Paxon, La Hoo, Timney, Mottet, Ross, Roderbach, McKendry, Leach, Carter.

FOURTH ROW—Pawinski, Adum, Wilson, Melloy, Hall, Uta, Travers, Kennedy, Ellis, Brown.

\* Instructors.



## GRADUATING CLASS, 1911—ARCHITECTS

**FRONT ROW**—Van Kesteren, Sandaker, Godfrey, Miss Haigh, Barclay, Cahill, Winterman, Deane, Holmuth,  
 eighth row—Mayer, Bentert, Van Alet, Brachski, Bishop, Gray, Petterson, Jones, Grimes, Lacey.  
**THIRD ROW**—Wright, Winterman, Morgan, Sheridan, Yarriman, Prator, Van Kesteren, Mastron, Strong, Banks,  
**BACK ROW**—Catholysen, Knack, Sullivan, Holmuth, Svensen, Berg, Clark, Mitchell, Urich.



PRATT INSTITUTE—KINDERGARTEN HOUSE



PRATT INSTITUTE—FREE LIBRARY





### GRADUATING CLASS, 1911—KINDERGARTEN

FRONT ROW—Miller, Gray, Erickson, Peterson, Ray, Thomas, Erickson,  
 Andrews, Lind, Stacey, Williams, Hedberg, Anders, Olson, Helgeson, Olson,  
 Back ROW—Egg, Lee & Williams, Merrill.





GRADUATING CLASS, 1911—GENERAL ART

FRONT ROW: Rachel, Marie, Emma, Lark, Weston, Elmer  
 SECOND ROW: Albert, Martin, Philip, Joseph, Morris, Herman, William  
 THIRD ROW: Francis, Spencer, Mr. Phillips, Mr. Baker, Murphy, Williamson  
 BACK ROW: Kay, Harrison, Nathaniel, Edward, Edward, Ward, Howell





### GRADUATING CLASS, 1911—LIBRARY SCIENCE

FIRST ROW—Metcalf, McDonald, Winkler, DeLong, Rogers, Johnson, Oswald, Parker, E.

SECOND ROW—Miller, Mitchell, Harris, Miller, Williams, Smith, Rogers.

THIRD ROW—Anderson, Hanson, McManis, Phillips, E. Hansen, Johnson, Williams, Smith, Peterson, E. Mitchell.



GRADUATING CLASS 1911—COSTUME ILLUSTRATION

FIRST ROW: Ed. E. Rice, Instructor, Edith H. Robinson.  
 SECOND ROW: Frances, Barbara, Jean, Mary, Virginia, Louise.  
 THIRD ROW: Clara, Ruth, Thelma, Frances, Helen, Margaret.



GRADUATING CLASS, 1911- DESIGN

Fig. 10. 100%—Pine, Aldrich, Reynolds, Jones, Brewster, Perry.  
 80%—100%—Hatch, Wilson, Schickel, Graham, Allen, Fisher, Madigan, Robinson, Hay.  
 100% 100%—Humphreys, Williams, Kinsford, "Mr. Parkhurst."

■ **How to Use This Book**





GRADUATES S. & M. D., '10,  
AND A. E., '11

FRONT ROW—Sears, Orr  
BACK ROW—Ridgely, Inscoe, Finkbein



CLASS FALL TENNIS CHAMPIONS,  
'10, A. C. '11

FRONT, Porter (MGR.), Price



PRATT INSTITUTE—REAR VIEW FROM GRAND AVENUE



Varsity Soccer Football Team 1906

Front Row: Adams, Taylor, Smith, Tice.

Middle Row: Wright, Parker, Tice, Smith, Moore, Taylor, Tice, Moore.

Back Row: Adams, Parker, Smith, Tice.



VARSITY BASKET BALL TEAM--1910-11

FRONT ROW: Van Dyke, Van Nest, Nelson, Nelson, Nelson, Nelson.  
 BACK ROW: Nelson, Nelson, Nelson, Nelson, Nelson, Nelson.





Varsity Track Team—1910-11

FRONT ROW—(From left)

WYNNE BOON, Harry Moore, Taylor, Ed's, Hordbrook, and Stewart Moore

MIDDLE ROW—Tom Allen, Anderson, Hawk, Hordbrook, McRae, Kist, Nelson, Thompson, Anderson



### PRATT GLEE CLUB

FRONT ROW — J. C. Wilson, J. M. Cook, Roy Shaw, Vernon Brown, James H. Henson.  
 MIDDLE ROW — Herbert E. Lee, Harvey Gould, Herbert, David E. Cook, Henson, Harry Shaw.  
 BACK ROW — Henson, Henson, Cook, Nelson, Henson, Henson, Henson, Henson, Henson, Henson.



CLASS BASKET BALL CHAMPS—1909-10 ARCH'T '11

FRONT ROW—Hildes, Van Gasteren (Capt.), Pryor,  
 BACK ROW—Pulverton, Van Norder, Kjellander (Coach), Holbrook, Zeigler, Newk.



CLASS BASE BALL CHAMPIONS—1909-10—S. & M. D. '11

FRONT ROW—Kilgus, Briggs, MacArthur, Hildebrand, Cole,  
 BAUK ROW—Fyfe, Kohn, Taylor (Capt), Littlejohn (Capt), Hildebrand.

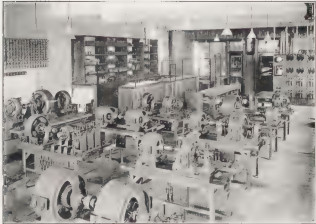




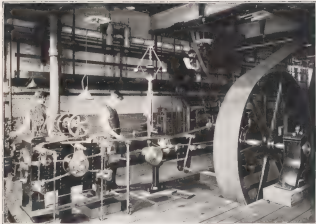
CLASS BASKET BALL CHAMPS -1910-11-ARCHY '12

FRONT ROW: Larned, Tanager, Tarkenton

BACK ROW: Bunting, Wilcox, Rosenbaum, Bates, Stapp, Mott, and Stapp



APPLIED ELECTRICITY LABORATORY



A CORNER OF THE STEAM LABORATORY





PRATT INSTITUTE CHEMISTRY BUILDING



THE HOSTESS, BEING A REPRESENTATIVE OF THE WOMAN WHOSE PRESENCE  
IS ESSENTIAL TO THE SUCCESS OF THE PARTY.



EVERY GUEST IS WARMED AND HELD.



THE GUESTS ARE



THEIRSEL, AND ARE IN A POSITION TO BE HELD.

Students and Graduates of the Institute will confer a favor to the "Source" if they will carefully examine the following advertisements before placing orders.

## EIMER & AMEND

205-211 Third Avenue  
NEW YORK

Headquarters for Chemicals, Chemical Apparatus,  
Minerals, Testing Instruments of Every Make  
and Improved Patterns, Etc. . . . .

### FIRST QUALITY SUPPLIES ONLY

Schedule delivery of Importing Supplies, Duty Free for Most Terms should place  
Orders now if possible.

## THE INSTITUTE BARBER SHOP

ERNEST A. RUGHAASE  
357 De Kalb Avenue

Only a word may make considerable difference in filling your order for valves. If you want genuine Jenkins valves, say JENKINS Bros., to your dealer, and say it with emphasis. Then look at your valves and see if they bear this trade mark . . . .

It is the guarantee of the originators of renewable disc valves.

It ensures to the user a high standard of quality and workmanship, and protects him against the endless annoyances which are the result of using imitations and substitutes.



It's just as easy to get the genuine and  
as much easier after you have them.

JENKINS BROS., NEW YORK, BOSTON, PHILADELPHIA, CHICAGO

# New WESTON Instruments

A full line of Alternating Current  
Switchboard Indicating Instruments

is offered by this company, comprising

**WATTMETERS.** Single and Polyphase **FREQUENCY METERS**  
**POWER FACTOR METERS** **AMMETERS**  
**SYNCHROSCOPES** **VOLTMETERS**  
and New Models of Weston D. C. Instruments to match

**T**HESE instruments are of the highest accuracy and reliability, and are of a design which is simple and compact, and which is well adapted for use in all the various branches of electrical engineering. They are also of a design which is simple and compact, and which is well adapted for use in all the various branches of electrical engineering.

These instruments are of the highest accuracy and reliability, and are of a design which is simple and compact, and which is well adapted for use in all the various branches of electrical engineering. They are also of a design which is simple and compact, and which is well adapted for use in all the various branches of electrical engineering.

These instruments are of the highest accuracy and reliability, and are of a design which is simple and compact, and which is well adapted for use in all the various branches of electrical engineering. They are also of a design which is simple and compact, and which is well adapted for use in all the various branches of electrical engineering.

Full particulars of design, construction, prices, etc.,  
are given in Catalogue P. S. 15. Write for it.

**WESTON ELECTRICAL INSTRUMENT COMPANY**

Main Office and Works, Newark, N. J.

Established 1858

Incorporated 1910

## THE A. & F. BROWN CO.



Engineers, Founders and  
Machinists



# Power

## Transmitting Machinery

**F. BROWN'S PATENT METALLIC WICK SELF OILING BEARING**

Turned Steel Shafts, Pinion-Clark Couplings, Rope  
Shafts, Balanced Pulleys, Pinion-Clark Pulleys, Hangers

**CONCRETE MILL**

Machin Mounted and Car Gearing of all Descriptions.  
Estimates and plans furnished for Transmitting Power by

**GEARING, ROPE, HORIZONTAL OR VERTICAL SHAFTING**

ALSO FOR ERECTING SAME

Our Shop is Located in Brooklyn Bridge  
and East (CITY) ST.

172 Fulton St., New York



# Equipment

where it is possible to gradually improve its condition by adding a Schieren's "DUXBAK" Waterproof Leather Belt whenever a new belt is needed.

## SCHIEREN'S "DUXBAK" WATERPROOF LEATHER BELTING

saves power to a greater extent than you may think possible and lasts so much longer than other beltings that its real cost amounts to nothing.

### NEW YORK BRANCH AT

Hartford, CT. 411, 413, 415, 417, 419, 421, 423, 425, 427, 429, 431, 433, 435, 437, 439, 441, 443, 445, 447, 449, 451, 453, 455, 457, 459, 461, 463, 465, 467, 469, 471, 473, 475, 477, 479, 481, 483, 485, 487, 489, 491, 493, 495, 497, 499, 501, 503, 505, 507, 509, 511, 513, 515, 517, 519, 521, 523, 525, 527, 529, 531, 533, 535, 537, 539, 541, 543, 545, 547, 549, 551, 553, 555, 557, 559, 561, 563, 565, 567, 569, 571, 573, 575, 577, 579, 581, 583, 585, 587, 589, 591, 593, 595, 597, 599, 601, 603, 605, 607, 609, 611, 613, 615, 617, 619, 621, 623, 625, 627, 629, 631, 633, 635, 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657, 659, 661, 663, 665, 667, 669, 671, 673, 675, 677, 679, 681, 683, 685, 687, 689, 691, 693, 695, 697, 699, 701, 703, 705, 707, 709, 711, 713, 715, 717, 719, 721, 723, 725, 727, 729, 731, 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767, 769, 771, 773, 775, 777, 779, 781, 783, 785, 787, 789, 791, 793, 795, 797, 799, 801, 803, 805, 807, 809, 811, 813, 815, 817, 819, 821, 823, 825, 827, 829, 831, 833, 835, 837, 839, 841, 843, 845, 847, 849, 851, 853, 855, 857, 859, 861, 863, 865, 867, 869, 871, 873, 875, 877, 879, 881, 883, 885, 887, 889, 891, 893, 895, 897, 899, 901, 903, 905, 907, 909, 911, 913, 915, 917, 919, 921, 923, 925, 927, 929, 931, 933, 935, 937, 939, 941, 943, 945, 947, 949, 951, 953, 955, 957, 959, 961, 963, 965, 967, 969, 971, 973, 975, 977, 979, 981, 983, 985, 987, 989, 991, 993, 995, 997, 999, 1001, 1003, 1005, 1007, 1009, 1011, 1013, 1015, 1017, 1019, 1021, 1023, 1025, 1027, 1029, 1031, 1033, 1035, 1037, 1039, 1041, 1043, 1045, 1047, 1049, 1051, 1053, 1055, 1057, 1059, 1061, 1063, 1065, 1067, 1069, 1071, 1073, 1075, 1077, 1079, 1081, 1083, 1085, 1087, 1089, 1091, 1093, 1095, 1097, 1099, 1101, 1103, 1105, 1107, 1109, 1111, 1113, 1115, 1117, 1119, 1121, 1123, 1125, 1127, 1129, 1131, 1133, 1135, 1137, 1139, 1141, 1143, 1145, 1147, 1149, 1151, 1153, 1155, 1157, 1159, 1161, 1163, 1165, 1167, 1169, 1171, 1173, 1175, 1177, 1179, 1181, 1183, 1185, 1187, 1189, 1191, 1193, 1195, 1197, 1199, 1201, 1203, 1205, 1207, 1209, 1211, 1213, 1215, 1217, 1219, 1221, 1223, 1225, 1227, 1229, 1231, 1233, 1235, 1237, 1239, 1241, 1243, 1245, 1247, 1249, 1251, 1253, 1255, 1257, 1259, 1261, 1263, 1265, 1267, 1269, 1271, 1273, 1275, 1277, 1279, 1281, 1283, 1285, 1287, 1289, 1291, 1293, 1295, 1297, 1299, 1301, 1303, 1305, 1307, 1309, 1311, 1313, 1315, 1317, 1319, 1321, 1323, 1325, 1327, 1329, 1331, 1333, 1335, 1337, 1339, 1341, 1343, 1345, 1347, 1349, 1351, 1353, 1355, 1357, 1359, 1361, 1363, 1365, 1367, 1369, 1371, 1373, 1375, 1377, 1379, 1381, 1383, 1385, 1387, 1389, 1391, 1393, 1395, 1397, 1399, 1401, 1403, 1405, 1407, 1409, 1411, 1413, 1415, 1417, 1419, 1421, 1423, 1425, 1427, 1429, 1431, 1433, 1435, 1437, 1439, 1441, 1443, 1445, 1447, 1449, 1451, 1453, 1455, 1457, 1459, 1461, 1463, 1465, 1467, 1469, 1471, 1473, 1475, 1477, 1479, 1481, 1483, 1485, 1487, 1489, 1491, 1493, 1495, 1497, 1499, 1501, 1503, 1505, 1507, 1509, 1511, 1513, 1515, 1517, 1519, 1521, 1523, 1525, 1527, 1529, 1531, 1533, 1535, 1537, 1539, 1541, 1543, 1545, 1547, 1549, 1551, 1553, 1555, 1557, 1559, 1561, 1563, 1565, 1567, 1569, 1571, 1573, 1575, 1577, 1579, 1581, 1583, 1585, 1587, 1589, 1591, 1593, 1595, 1597, 1599, 1601, 1603, 1605, 1607, 1609, 1611, 1613, 1615, 1617, 1619, 1621, 1623, 1625, 1627, 1629, 1631, 1633, 1635, 1637, 1639, 1641, 1643, 1645, 1647, 1649, 1651, 1653, 1655, 1657, 1659, 1661, 1663, 1665, 1667, 1669, 1671, 1673, 1675, 1677, 1679, 1681, 1683, 1685, 1687, 1689, 1691, 1693, 1695, 1697, 1699, 1701, 1703, 1705, 1707, 1709, 1711, 1713, 1715, 1717, 1719, 1721, 1723, 1725, 1727, 1729, 1731, 1733, 1735, 1737, 1739, 1741, 1743, 1745, 1747, 1749, 1751, 1753, 1755, 1757, 1759, 1761, 1763, 1765, 1767, 1769, 1771, 1773, 1775, 1777, 1779, 1781, 1783, 1785, 1787, 1789, 1791, 1793, 1795, 1797, 1799, 1801, 1803, 1805, 1807, 1809, 1811, 1813, 1815, 1817, 1819, 1821, 1823, 1825, 1827, 1829, 1831, 1833, 1835, 1837, 1839, 1841, 1843, 1845, 1847, 1849, 1851, 1853, 1855, 1857, 1859, 1861, 1863, 1865, 1867, 1869, 1871, 1873, 1875, 1877, 1879, 1881, 1883, 1885, 1887, 1889, 1891, 1893, 1895, 1897, 1899, 1901, 1903, 1905, 1907, 1909, 1911, 1913, 1915, 1917, 1919, 1921, 1923, 1925, 1927, 1929, 1931, 1933, 1935, 1937, 1939, 1941, 1943, 1945, 1947, 1949, 1951, 1953, 1955, 1957, 1959, 1961, 1963, 1965, 1967, 1969, 1971, 1973, 1975, 1977, 1979, 1981, 1983, 1985, 1987, 1989, 1991, 1993, 1995, 1997, 1999, 2001, 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017, 2019, 2021, 2023, 2025, 2027, 2029, 2031, 2033, 2035, 2037, 2039, 2041, 2043, 2045, 2047, 2049, 2051, 2053, 2055, 2057, 2059, 2061, 2063, 2065, 2067, 2069, 2071, 2073, 2075, 2077, 2079, 2081, 2083, 2085, 2087, 2089, 2091, 2093, 2095, 2097, 2099, 2101, 2103, 2105, 2107, 2109, 2111, 2113, 2115, 2117, 2119, 2121, 2123, 2125, 2127, 2129, 2131, 2133, 2135, 2137, 2139, 2141, 2143, 2145, 2147, 2149, 2151, 2153, 2155, 2157, 2159, 2161, 2163, 2165, 2167, 2169, 2171, 2173, 2175, 2177, 2179, 2181, 2183, 2185, 2187, 2189, 2191, 2193, 2195, 2197, 2199, 2201, 2203, 2205, 2207, 2209, 2211, 2213, 2215, 2217, 2219, 2221, 2223, 2225, 2227, 2229, 2231, 2233, 2235, 2237, 2239, 2241, 2243, 2245, 2247, 2249, 2251, 2253, 2255, 2257, 2259, 2261, 2263, 2265, 2267, 2269, 2271, 2273, 2275, 2277, 2279, 2281, 2283, 2285, 2287, 2289, 2291, 2293, 2295, 2297, 2299, 2301, 2303, 2305, 2307, 2309, 2311, 2313, 2315, 2317, 2319, 2321, 2323, 2325, 2327, 2329, 2331, 2333, 2335, 2337, 2339, 2341, 2343, 2345, 2347, 2349, 2351, 2353, 2355, 2357, 2359, 2361, 2363, 2365, 2367, 2369, 2371, 2373, 2375, 2377, 2379, 2381, 2383, 2385, 2387, 2389, 2391, 2393, 2395, 2397, 2399, 2401, 2403, 2405, 2407, 2409, 2411, 2413, 2415, 2417, 2419, 2421, 2423, 2425, 2427, 2429, 2431, 2433, 2435, 2437, 2439, 2441, 2443, 2445, 2447, 2449, 2451, 2453, 2455, 2457, 2459, 2461, 2463, 2465, 2467, 2469, 2471, 2473, 2475, 2477, 2479, 2481, 2483, 2485, 2487, 2489, 2491, 2493, 2495, 2497, 2499, 2501, 2503, 2505, 2507, 2509, 2511, 2513, 2515, 2517, 2519, 2521, 2523, 2525, 2527, 2529, 2531, 2533, 2535, 2537, 2539, 2541, 2543, 2545, 2547, 2549, 2551, 2553, 2555, 2557, 2559, 2561, 2563, 2565, 2567, 2569, 2571, 2573, 2575, 2577, 2579, 2581, 2583, 2585, 2587, 2589, 2591, 2593, 2595, 2597, 2599, 2601, 2603, 2605, 2607, 2609, 2611, 2613, 2615, 2617, 2619, 2621, 2623, 2625, 2627, 2629, 2631, 2633, 2635, 2637, 2639, 2641, 2643, 2645, 2647, 2649, 2651, 2653, 2655, 2657, 2659, 2661, 2663, 2665, 2667, 2669, 2671, 2673, 2675, 2677, 2679, 2681, 2683, 2685, 2687, 2689, 2691, 2693, 2695, 2697, 2699, 2701, 2703, 2705, 2707, 2709, 2711, 2713, 2715, 2717, 2719, 2721, 2723, 2725, 2727, 2729, 2731, 2733, 2735, 2737, 2739, 2741, 2743, 2745, 2747, 2749, 2751, 2753, 2755, 2757, 2759, 2761, 2763, 2765, 2767, 2769, 2771, 2773, 2775, 2777, 2779, 2781, 2783, 2785, 2787, 2789, 2791, 2793, 2795, 2797, 2799, 2801, 2803, 2805, 2807, 2809, 2811, 2813, 2815, 2817, 2819, 2821, 2823, 2825, 2827, 2829, 2831, 2833, 2835, 2837, 2839, 2841, 2843, 2845, 2847, 2849, 2851, 2853, 2855, 2857, 2859, 2861, 2863, 2865, 2867, 2869, 2871, 2873, 2875, 2877, 2879, 2881, 2883, 2885, 2887, 2889, 2891, 2893, 2895, 2897, 2899, 2901, 2903, 2905, 2907, 2909, 2911, 2913, 2915, 2917, 2919, 2921, 2923, 2925, 2927, 2929, 2931, 2933, 2935, 2937, 2939, 2941, 2943, 2945, 2947, 2949, 2951, 2953, 2955, 2957, 2959, 2961, 2963, 2965, 2967, 2969, 2971, 2973, 2975, 2977, 2979, 2981, 2983, 2985, 2987, 2989, 2991, 2993, 2995, 2997, 2999, 3001, 3003, 3005, 3007, 3009, 3011, 3013, 3015, 3017, 3019, 3021, 3023, 3025, 3027, 3029, 3031, 3033, 3035, 3037, 3039, 3041, 3043, 3045, 3047, 3049, 3051, 3053, 3055, 3057, 3059, 3061, 3063, 3065, 3067, 3069, 3071, 3073, 3075, 3077, 3079, 3081, 3083, 3085, 3087, 3089, 3091, 3093, 3095, 3097, 3099, 3101, 3103, 3105, 3107, 3109, 3111, 3113, 3115, 3117, 3119, 3121, 3123, 3125, 3127, 3129, 3131, 3133, 3135, 3137, 3139, 3141, 3143, 3145, 3147, 3149, 3151, 3153, 3155, 3157, 3159, 3161, 3163, 3165, 3167, 3169, 3171, 3173, 3175, 3177, 3179, 3181, 3183, 3185, 3187, 3189, 3191, 3193, 3195, 3197, 3199, 3201, 3203, 3205, 3207, 3209, 3211, 3213, 3215, 3217, 3219, 3221, 3223, 3225, 3227, 3229, 3231, 3233, 3235, 3237, 3239, 3241, 3243, 3245, 3247, 3249, 3251, 3253, 3255, 3257, 3259, 3261, 3263, 3265, 3267, 3269, 3271, 3273, 3275, 3277, 3279, 3281, 3283, 3285, 3287, 3289, 3291, 3293, 3295, 3297, 3299, 3301, 3303, 3305, 3307, 3309, 3311, 3313, 3315, 3317, 3319, 3321, 3323, 3325, 3327, 3329, 3331, 3333, 3335, 3337, 3339, 3341, 3343, 3345, 3347, 3349, 3351, 3353, 3355, 3357, 3359, 3361, 3363, 3365, 3367, 3369, 3371, 3373, 3375, 3377, 3379, 3381, 3383, 3385, 3387, 3389, 3391, 3393, 3395, 3397, 3399, 3401, 3403, 3405, 3407, 3409, 3411, 3413, 3415, 3417, 3419, 3421, 3423, 3425, 3427, 3429, 3431, 3433, 3435, 3437, 3439, 3441, 3443, 3445, 3447, 3449, 3451, 3453, 3455, 3457, 3459, 3461, 3463, 3465, 3467, 3469, 3471, 3473, 3475, 3477, 3479, 3481, 3483, 3485, 3487, 3489, 3491, 3493, 3495, 3497, 3499, 3501, 3503, 3505, 3507, 3509, 3511, 3513, 3515, 3517, 3519, 3521, 3523, 3525, 3527, 3529, 3531, 3533, 3535, 3537, 3539, 3541, 3543, 3545, 3547, 3549, 3551, 3553, 3555, 3557, 3559, 3561, 3563, 3565, 3567, 3569, 3571, 3573, 3575, 3577, 3579, 3581, 3583, 3585, 3587, 3589, 3591, 3593, 3595, 3597, 3599, 3601, 3603, 3605, 3607, 3609, 3611, 3613, 3615, 3617, 3619, 3621, 3623, 3625, 3627, 3629, 3631, 3633, 3635, 3637, 3639, 3641, 3643, 3645, 3647, 3649, 3651, 3653, 3655, 3657, 3659, 3661, 3663, 3665, 3667, 3669, 3671, 3673, 3675, 3677, 3679, 3681, 3683, 3685, 3687, 3689, 3691, 3693, 3695, 3697, 3699, 3701, 3703, 3705, 3707, 3709, 3711, 3713, 3715, 3717, 3719, 3721, 3723, 3725, 3727, 3729, 3731, 3733, 3735, 3737, 3739, 3741, 3743, 3745, 3747, 3749, 3751, 3753, 3755, 3757, 3759, 3761, 3763, 3765, 3767, 3769, 3771, 3773, 3775, 3777, 3779, 3781, 3783, 3785, 3787, 3789, 3791, 3793, 3795, 3797, 3799, 3801, 3803, 3805, 3807, 3809, 3811, 3813, 3815, 3817, 3819, 3821, 3823, 3825, 3827, 3829, 3831, 3833, 3835, 3837, 3839, 3841, 3843, 3845, 3847, 3849, 3851, 3853, 3855, 3857, 3859, 3861, 3863, 3865, 3867, 3869, 3871, 3873, 3875, 3877, 3879, 3881, 3883, 3885, 3887, 3889, 3891, 3893, 3895, 3897, 3899, 3901, 3903, 3905, 3907, 3909, 3911, 3913, 3915, 3917, 3919, 3921, 3923, 3925, 3927, 3929, 3931, 3933, 3935, 3937, 3939, 3941, 3943, 3945, 3947, 3949, 3951, 3953, 3955, 3957, 3959, 3961, 3963, 3965, 3967, 3969, 3971, 3973, 3975, 3977, 3979, 3981, 3983, 3985, 3987, 3989, 3991, 3993, 3995, 3997, 3999, 4001, 4003, 4005, 4007, 4009, 4011, 4013, 4015, 4017, 4019, 4021, 4023, 4025, 4027, 4029, 4031, 4033, 4035, 4037, 4039, 4041, 4043, 4045, 4047, 4049, 4051, 4053, 4055, 4057, 4059, 4061, 4063, 4065, 4067, 4069, 4071, 4073, 4075, 4077, 4079, 4081, 4083, 4085, 4087, 4089, 4091, 4093, 4095, 4097, 4099, 4101, 4103, 4105, 4107, 4109, 4111, 4113, 4115, 4117, 4119, 4121, 4123, 4125, 4127, 4129, 4131, 4133, 4135, 4137, 4139, 4141, 4143, 4145, 4147, 4149, 4151, 4153, 4155, 4157, 4159, 4161, 4163, 4165, 4167, 4169, 4171, 4173, 4175, 4177, 4179, 4181, 4183, 4185, 4187, 4189, 4191, 4193, 4195, 4197, 4199, 4201, 4203, 4205, 4207, 4209, 4211, 4213, 4215, 4217, 4219, 4221, 4223, 4225, 4227, 4229, 4231, 4233, 4235, 4237, 4239, 4241, 4243, 4245, 4247, 4249, 4251, 4253, 4255, 4257, 4259, 4261, 4263, 4265, 4267, 4269, 4271, 4273, 4275, 4277, 4279, 4281, 4283, 4285, 4287, 4289, 4291, 4293, 4295, 4297, 4299, 4301, 4303, 4305, 4307, 4309, 4311, 4313, 4315, 4317, 4319, 4321, 4323, 4325, 4327, 4329, 4331, 4333, 4335, 4337, 4339, 4341, 4343, 4345, 4347, 4349, 4351, 4353, 4355, 4357, 4359, 4361, 4363, 4365, 4367, 4369, 4371, 4373, 4375, 4377, 4379, 4381, 4383, 4385, 4387, 4389, 4391, 4393, 4395, 4397, 4399, 4401, 4403, 4405, 4407, 4409, 4411, 4413, 4415, 4417, 4419, 4421, 4423, 4425, 4427, 4429, 4431, 4433, 4435, 4437, 4439, 4441, 4443, 4445, 4447, 4449, 4451, 4453, 4455, 4457, 4459, 4461, 4463, 4465, 4467, 4469, 4471, 4473, 4475, 4477, 4479, 4481, 4483, 4485, 4487, 4489, 4491, 4493, 4495, 4497, 4499, 4501, 4503, 4505, 4507, 4509, 4511, 4513, 4515, 4517, 4519, 4521, 45

# VACUUM OIL

BEST FOR ALL PURPOSES

Always glad to have you submit your propositions to us

LUBRICATING DEPARTMENT  
TANNERS DEPARTMENT  
AUTOMOBILE DEPARTMENT  
MARINE DEPARTMENT

**VACUUM OIL COMPANY**

ROCHESTER, N. Y.

NEW YORK OFFICE, 29 BROADWAY

---

ESTABLISHED 1877

TELEPHONE J442 JORW

## H. Popper & Son, Inc.

Manufacturers of

*Class and Fraternity Pins  
Society and Club Emblems*

---

Makers of the Pins for B. & T. Class

WRITE FOR CATALOGUE

102 FULTON STREET

NEW YORK CITY

---

# WINSOR & NEWTON'S

Artists' Oils and Water Colors are the Standard

Best, Wholesome, "Artists," Non-shrinkage and Heaviest of All Colored  
"Charpas" Drawing Paper

Manufactured in New York

A New Self-Fixing Paper for Enamels, Oils, Colors and Paint Drawings  
51 HANDBOOKS ON THE FINE ARTS

By mail, 25c. each

THE "WINTON" WHITE FOR OIL-COLOR PAINTING  
COMPRESSED RUSSIAN CHARCOAL

in more papers than named on further sheets

These Two Charcoals put up in boxes, 12 and 24 each

WINSOR & NEWTON'S ILLUSTRATION BOARDS  
For Water-Color and General Black and White Work for reproduction. It is  
also recommended for Photo and Large Work.

Write for Samples

WINSOR & NEWTON, LIMITED, 386 BROADWAY, NEW YORK  
Send 10c for Sample to Complete Catalog

# HIGGINS'

MADE IN BOSTON



PREPARED BY  
HIGGINS' & CO., BOSTON, MASS.  
HIGGINS' & CO., BOSTON, MASS.  
HIGGINS' & CO., BOSTON, MASS.  
HIGGINS' & CO., BOSTON, MASS.  
HIGGINS' & CO., BOSTON, MASS.  
HIGGINS' & CO., BOSTON, MASS.

ARE THE FINEST AND BEST GOODS OF THEIR KIND

The Higgins' Ink is the finest and best of its kind, and is used by the most distinguished artists and writers. It is made from the finest materials, and is of a pure, permanent color. It is also of a fine, smooth texture, and is easy to write with. It is the only ink that will stand the test of time, and is the only ink that will not fade or run. It is the only ink that will not dry up, and is the only ink that will not clog the pen. It is the only ink that will not stain the paper, and is the only ink that will not leave a mark on the hand. It is the only ink that will not leave a mark on the clothing, and is the only ink that will not leave a mark on the furniture. It is the only ink that will not leave a mark on the walls, and is the only ink that will not leave a mark on the ceiling. It is the only ink that will not leave a mark on the floor, and is the only ink that will not leave a mark on the carpet. It is the only ink that will not leave a mark on the rug, and is the only ink that will not leave a mark on the mat. It is the only ink that will not leave a mark on the towel, and is the only ink that will not leave a mark on the cloth. It is the only ink that will not leave a mark on the napkin, and is the only ink that will not leave a mark on the tablecloth. It is the only ink that will not leave a mark on the bedsheet, and is the only ink that will not leave a mark on the pillowcase. It is the only ink that will not leave a mark on the curtain, and is the only ink that will not leave a mark on the blind. It is the only ink that will not leave a mark on the shade, and is the only ink that will not leave a mark on the lace. It is the only ink that will not leave a mark on the ribbon, and is the only ink that will not leave a mark on the string. It is the only ink that will not leave a mark on the thread, and is the only ink that will not leave a mark on the needle. It is the only ink that will not leave a mark on the thread, and is the only ink that will not leave a mark on the needle. It is the only ink that will not leave a mark on the thread, and is the only ink that will not leave a mark on the needle.

Lo. Boston, U.S.A.

CHAS. M. HIGGINS & CO., Mrs. Higgins, Boston, U.S.A.

211 NINTH AVENUE, BROOKLYN, N. Y.

# Ferro-Alloys

"POLYMETROS  
BRAND"



Ferro-Chrome  
Ferro-Manganese  
Ferro-Nickel  
Ferro-Silicon  
Ferro-Titanium  
Ferro-Tungsten  
Ferro-Vanadium

Metallic CHROMIUM NICKEL MANGANESE TUNGSTEN METALLIC

THE ROESSLER & HASSLACHER CHEMICAL CO.

No other name appears elsewhere in world 100 WILLIAM ST., NEW YORK

# D. VAN NOSTRAND COMPANY

Publishers and Dealers in  
Scientific Literature and College  
Text Books

23 MURRAY STREET 27 WARREN STREET  
NEW YORK

Catalogs sent Free on application

Established 1853

Incorporated 1892

# Swan & Finch Co.

## Atlas Automobile Oils and Greases



*151 Maiden Lane*

*New York*

JAMES C. PEABODY, President

ARTHUR LEWIS, Treasurer

JOHN D. KEL, Secretary





# DEVOE ARTISTS' SUPPLIES



If you are a user of Artists' Material you should have the best.

Devoe goods don't cost any more, and you're always sure they're good with that name on them.

**F. W. DEVOE & CO'S**

OIL COLORS IN TUBES. PREPARED CANVAS  
OILS AND VARNISHES. WATER COLORS  
FINE BRUSHES

Are all the highest grade and the standard American Manufacture.

Get Devoe Quality into your work, get acquainted with the things we make and test their results.

*Ask Your Dealer For Devoes*

**F. W. DEVOE & C. T. RAYNOLDS CO.**  
NEW YORK - and - CHICAGO

## Outfitters for Young People

*Lower Clothing for Young People has a style distinction, which sets it apart from and above the ordinary.*

*Variety is another prominent feature.*

*Low Prices are a matter of the every day policy of the Store.*

*Frederick Beers Co.*  
(formerly known as Beers, Beers & Co.)

TELEPHONE 425-2141

NEW ARRIVALS & SPECIALS

**HALSEY & BOWER CO.**

**Photographic Studio**

SPECIAL PRICES TO STUDENTS

414-416 Fulton Street,

BROOKLYN, N. Y.

FORMER 1910-1911

DIAMONDS

**ARTHUR JOHNSON**  
**MANUFACTURING JEWELER**

Watch, Clock, Ring, Jewelry, Repairing, Engraving, Jewellery, Rings, Jewelry, Repairing, Special Order Work, Engraving, Repairing, Stone Cutting and Setting, Silver and Silver-plated Ware, Watchmaking  
47-49 JOHN STREET . . . . . NEW YORK

# TOOLS FOR ALL TRADES

WE MAKE A SPECIALTY OF  
TOOLS FOR MANUAL TRAINING  
AND  
TECHNICAL SCHOOLS

HAMMACHER, SCHLEMMER & CO.  
HARDWARE, TOOLS AND SUPPLIES

NEW YORK SINCE 1848  
4th Avenue and 13th Street  
(Block South of Union Square)

## JESSOP'S

ARK High  Speed Steel

Has been proven best in numerous competitive tests.  
It goes through hard spots and scales with the greatest  
ease and keeps its cutting edge.

### Jessop's Carbon Steel

is yet unexcelled for all cutting tools and for general  
machine shop uses.

Jessop's Steel is the Standard  
the World over.

You cannot make a mistake ordering it.

William Jessop & Sons, Inc.

91 John Street

New York

Branch Houses all over U. S.

# ABRAHAM and STRAUS

*"The Store Accommodating"*



BROOKLYN'S Greatest Retail Establishment, famous for its low prices, for its splendidly complete assortments, dependable values, perfect store management, fine restaurant, model grocery store, mechanical perfection behind the scenes and superior store service—its factories abroad and in America, and in everything that goes to make a thoroughly up-to-date store that any community may be proud of in every way.

Brooklyn men and women have made this store world famous and the store is striving to return the favor by making itself more and more worthy of it.

Established 1817

Telephone, ME 3-6121

ESTATE OF

## H. H. QUICK

---

Plumbing      Heating  
Lighting

---

579 DeKalb Avenue, - - BROOKLYN, N. Y.



## "Supper Ready"

When you get back to camp, tired and hungry, you do not want to spend the rest of the evening getting supper ready. You want a stove you can start up in a minute — that will cook quick and well.

For camp, houseboat or bungalow, a New Perfection Oil Cook-stove is the ideal cooking device. It is ready for use in a moment. It saves all the trouble of cutting wood and getting in coal. It does not overheat or make dirt in a kitchen; there are no ashes nor smoke. It requires less attention and cooks better than any other range.

Made with 1, 2 and 3 burners, with long, tapered blue enameled chimneys. Handsomely finished throughout. The 2 and 3-burner stoves can be used with or without a cabinet top, which is fitted with drop shelves, towel racks, etc.

Dealers everywhere; or write for descriptive circular to the nearest agency of the

**New Perfection**  
**Oil Cook-stove**

**Standard Oil Company**

(Incorporated)

# **\$200,000,000 ANNUALLY**

That's the Fire Loss of this Country

If you don't want to contribute to it, carry a policy in the CONTINENTAL, the company with the largest American net surplus.

---

## **Continental Insurance Co.**

OF NEW YORK

BROOKLYN AND LONG ISLAND DEPT.  
138 MONTAGUE STREET, BROOKLYN

A. B. ROOME

Manager

Established 1865

# **A. M. Kidder & Co.**

## **Bankers**

*M. J. Shaw    Chas. D. Martin    Geo. B. Cox    Geo. S. Goodrich*  
*Chas. F. Allen*

---

Dealers in High-Grade  
INVESTMENT BONDS

Also Specialists in  
TAX-EXEMPT GUAR-  
ANTEED STOCKS

---

Transact a general banking business, including the purchase and sale of stocks and bonds on commission.

---

*Members of the New York Stock Exchange*

**5 Nassau Street** Direct Bank  
Building **New York**

W. Eugene Kimball

Leeds Johnson

# R. J. Kimball & Co.

Bankers and  
Brokers

Established 1885

7 Nassau Street

New York

Members of the New York Stock Exchange

Banking  
and Finance  
Exchange  
Floor  
Telephone, N. Y.

President, J. W. Thompson,  
and Board of Directors,  
Engineers, the Company, Inc.  
100 Nassau St. N. Y. 100  
Members

## A. KLIPSTEIN & CO.

122 PEARL STREET, N. Y.

*Analyse Colors, Dyestuffs, Chemicals, Gums, Oils,  
Egg Products and Raw Materials for all industries*

We analyze and control the quality of raw materials used in the textile, paper, dye and other industries. We also analyze and control the quality of the finished products. We also analyze and control the quality of the raw materials used in the food and drug industries.

WE IDENTIFICALLY REPORT YOUR INQUIRIES.

Butler

Photographer

7 BOND STREET (Corner), BROOKLYN, N. Y.

Positively no connection with any other studio

SPECIAL RATES TO STUDENTS

Indirizzo: P.O. Box 1000, Bologna, Italy

# The Long Island Loan and Trust Company

Temple Bar, 44 Court Street Brooklyn, N. Y.

Capital, Surplus and Undivided Profits. . . \$3,100,000

## TRUSTEES

Charles E. Wilson	John J. Thompson	Charles L. Wilson
James E. Wilson	John W. Thompson	John W. Thompson
Charles E. Wilson	John W. Thompson	John W. Thompson
James E. Wilson	John W. Thompson	John W. Thompson
Charles E. Wilson	John W. Thompson	John W. Thompson
James E. Wilson	John W. Thompson	John W. Thompson
Charles E. Wilson	John W. Thompson	John W. Thompson
James E. Wilson	John W. Thompson	John W. Thompson

## OFFICERS

Charles E. Wilson	John W. Thompson	Charles L. Wilson
James E. Wilson	John W. Thompson	John W. Thompson
Charles E. Wilson	John W. Thompson	John W. Thompson
James E. Wilson	John W. Thompson	John W. Thompson

# Confectionery and Ice Cream Parlor

NEW YORK, N. Y.

## HENRY ROTH

355 De Kalb Avenue

Telephone 2117 Prospect

# Burke's Sheet Metal Works

FURNACES, HEATERS  
AND RANGES

157 Adelphi St., near Myrtle Ave., Brooklyn, N. Y.

Fire and General Roofing      Brown and Hot Water Heating  
Jobbing Promptly Attended To



# PRODUCTS PROVED!



## "Tyandiramba"

head armor for Subland Prince. "Gungunyana" did it or he couldn't hold his job. His "know-how" exceeded the utility of his outfit, and placed him "next" to the big "Gun" in the estimation of his countrymen.

Pardonable pride gives us "Tyandiramba" assurance. Thirty years pioneer experience in Drop-forgings leads us to ask for your consideration when you need

**Drop-forged Wrenches**

**Drop-forged Tools**

**Chain Pipe Tools**

**Special Drop-Forgings**

**Etc. Etc. Etc.**

## J. H. WILLIAMS & CO.

**Superior Drop Forgings** **BROOKLYN, N. Y.**

## RONALDS & JOHNSON CO.

*Fine Plumbing Material*

SHOW ROOM

Fitted up with the largest variety of  
*Modern Appliances for your inspection*

BOERUM PLACE AND SCHERMERHORN STREET  
BROOKLYN, N. Y.

TELEPHONE 4884 PROSPECT

## LOUIS ABELOFF PAINTER AND DECORATOR

426 DE KALB AVENUE      BROOKLYN, N. Y.

WALL PAPER      PAINTS      VARNISHES

## JACOB MULLER

Dealer in Automobile Supplies  
Manufacturer of Fine Harness

TELEPHONE, 2835 PROSPECT

830 Fulton Street, Near Vanderbilt Avenue, BROOKLYN, N. Y.

## P. I. BOYS

GET SPECIAL  
ATTENTION

WHEN THEY GO TO



4885 W PROSPECT

## H. PRUSER

...MANUFACTURER OF...

CANDIES, ICE CREAM & FRUIT ICES

*Churches, Clubs, & Family Parties Supplied At Short Notice*

475 MYRTLE AVENUE, Near Washington Avenue, BROOKLYN, N. Y.

# IRON CASTINGS

FOR MACHINERY,  
ELECTRICAL WORK, etc.

*CLEAN, SOFT, AND  
TRUE TO PATTERN.*

**THE BURR & HOUSTON CO.,**

IRON FOUNDERS,

84 Calyer Street, Brooklyn, N. Y.

Telephone Call, Greenpoint 2383.

# JASON MOORE

PAINTER and  
DECORATOR

Telephone 2071 Main

86 ST. FELIX STREET, COR. FULTON  
BROOKLYN

## W. & A. FLETCHER COMPANY

NORTH RIVER IRON WORKS

Builders of Steam Strainers PURITAN, PLYMOUTH and  
PRISCILLA. Turbine Steamships GOVERNOR CORB,  
YALE and HARVARD. & MARINE ENGINES, BOILERS  
and MACHINERY OF ALL KINDS.

CONTRACTORS FOR VESSELS COMPLETE

HOBOKEN, N. J. Take Ferry from Foot of W. 234 St., N. Y.

# PAINT AND PRINTING INK MACHINERY



No. 11 Third-Avenue Bldg.

**CHAS. ROSS & SON CO.**

145-155 Clinton Avenue

BROOKLYN, N. Y.

EMERSON MARKET TELEPHONE 194 PROSPECT

**A. CASSEN'S**

Choice Meats, Poultry and Game

ALL MEATS COOLED ARTIFICIALLY

Cassee Express Place 405 DeKalb Avenue, Brooklyn

## VAL SCHMITT'S HOFBRÄU HAUS

820 Broadway Place, 828-830 Fulton St., opp. Graham Theatre

Lunchroom, 12 to 2 P. M., Dinner Table d'Hôte, 6 to 8 P. M.

5 to 8 P. M., 12 to 2 P. M., Sunday Table d'Hôte, **\$1.00**

Entertainment, Hot Beer, Cold Beer, Private Dining

Rooming, Card Parlor, 12 to 1 P. M.

MEAT: Largest Hall for Ladies Meetings

Monday 7 Williamsburgh St., corner Adams St.

## Howard J. Smith & Son

*Builders*

256 and 258 St. James Place, Brooklyn, N. Y.

TELEPHONE 1458 PROSPECT.

# A. G. SPALDING & BROS.

The  
**Spalding**  
Trade-Mark



is known throughout  
the world as a

**Guarantee of  
Quality**

are the Largest Manufacturers in the World of

## Official Equipment

FOR ALL ATHLETIC SPORTS AND PASTIMES

---

A. G. SPALDING & BROS., are the official outfitters to all teams and individuals of Pratt Institute, and all implements used by Pratt Institute bear the Spalding Trade-Mark.

---

**IF YOU** are interested in Athletic Sport you should have a copy of the Spalding Catalogue. It is a complete encyclopedia of What's New in Sport, and is sent free on request.

---

## A. G. SPALDING & BROS.

125-126 Nassau Street    New York    29-33 West 42d Street  
843 Broad Street, Newark, N. J.